

LRFD Bridge Design Manual Update ~ January 2012

20 December 2011

General and minor editing changes

Miscellaneous editorial corrections have been made but no general editing changes.

Policy and significant editing changes

Manual articles concern policy, and commentary articles give background information.

Article	LRFD
1.3 and C1.3	Remove HS25 loading because substructures now are designed for HL-93. Change MM No. 157 to obsolete status.
2.5	Add articles giving Americans with Disabilities Act (ADA) policies for bridges and bridge-related facilities. (This results in a shift in numbering for all subsequent articles.)
3.2.7.3.5	Revise riprap policy for bridges over a waterway to increase riprap limits for a pressure flow condition, and note that broken concrete is unacceptable for projects with a sovereign lands permit.
5.4.2.3.2, 5.5.2.3.2, 5.6.2.3.2, C5.4.2.3.2, C5.5.2.3.2	Add Extreme Event II to limit states for final design and Strength V to the list of limit states to be considered during construction.
5.7.1.1	Increase maximum bronze plate bearing load and correct standard sheet references.
5.8.1.2.1.1, 5.8.1.2.5	Revise policy for conduit placement in bridge rails to omit conduit in rural, non-interchange bridges.
6.2.4.1	Clarify the one-foot cutoff statement to include both H-piles and pipe piles.
6.4.4.2	Revise text and add Figure 6.4.4.2 note for GS-09005 revision in Iowa DOT Standard Specifications 2402.04, B, 2, b to increase limits of excavation to 3'-0.
6.6.1.1, C6.6.1.1, 6.6.4, C6.6.4	Remove requirement for checking with in-house software. Change MM No. 181 to obsolete status.
9.1.2, 9.1.6, 9.1.8.2, 9.1.8.3, C9.1.6, C9.1.8.3	Note that repair projects on bridges with a sidewalk, bicycle lane, or shared use path need to consider pedestrian and bicyclist access during construction. Access will affect temporary barrier rail layout.
9.1.9.1.7	Change concrete class from D to Class C to match the change in CADD Note E461/M461, and make related revisions.
9.1.9.4.2, C9.1.9.4.2	Add new article and commentary for deck replacements.
11.2.1, 11.2.2	Add CADD Note E25/M25 for Sovereign Lands Construction Permit.
11.2.2	Clarify exception to Iowa DOT Standard Specifications in CADD Note E70.

11.2.1, C11.2.1, 11.2.2, C11.2.2, 11.3.1, C11.3.1, 11.3.2, C11.3.2	Remove CADD Notes E50C and E104C that relate to HS25 design of substructure components. Change MM No. 157 to obsolete status.
11.3.1, C11.3.1, 11.3.2, C11.3.2	Remove CADD Notes E202 and M202 for deck hanger galvanizing because the information now is covered in the Iowa DOT Standard Specifications 2412.03, A, 2. Change MM No. 197 to obsolete status.
11.5.1, 11.5.2	Change concrete class from D to Class C in CADD Note E461/M461.

Article	ASD/LFD
Culverts 16.2	Revise drop inlet handrail details.